



General Assembly

Substitute Bill No. 351

February Session, 2006

* ____SB00351ET____041906____ *

**AN ACT CONCERNING THE ESTABLISHMENT OF A CONNECTICUT
HYDROGEN ROADMAP AND IMPLEMENTING A HYDROGEN
DEMONSTRATION PROGRAM.**

Be it enacted by the Senate and House of Representatives in General Assembly convened:

1 Section 1. (NEW) (*Effective from passage*) The Connecticut Center for
2 Advanced Technology, in consultation with the Connecticut
3 Hydrogen-Fuel Cell Coalition, the Department of Economic and
4 Community Development, the Renewable Energy Investment Fund,
5 established pursuant to subsection (c) of section 16-245n of the 2006
6 supplement to the general statutes and other appropriate state
7 agencies, upon request of the center, shall develop a Connecticut
8 Hydrogen Roadmap. The Hydrogen Roadmap shall include an
9 implementation plan to (1) facilitate the commercialization of
10 hydrogen-based technologies and fuel cells; (2) enhance energy
11 reliability and security; (3) promote the improved efficiency and
12 environmental performance of transportation and electric generation
13 with reduced emissions, reduced green house gases, more efficient use
14 of nonrenewable fuels, and increased use of renewable and sustainable
15 fuels; (4) facilitate the installation of infrastructure for hydrogen
16 production, storage, transportation and fueling capability; (5)
17 disseminate information regarding the benefits of hydrogen-based
18 technologies and fuel cells; and (6) develop strategies to retain and
19 expand hydrogen and fuel cell industries in Connecticut.

20 Sec. 2. (NEW) (*Effective from passage*) As part of the development of
21 the Connecticut Hydrogen Roadmap, the Connecticut Center for
22 Advanced Technology, in consultation with the Department of
23 Transportation, shall identify areas within the state transportation
24 system that would benefit from the integration of potential mass
25 transit and fleet transit locations with hydrogen or natural gas and
26 hydrogen mixture refueling stations.

27 Sec. 3. (NEW) (*Effective from passage*) As part of the Connecticut
28 Hydrogen Roadmap the Connecticut Center for Advanced
29 Technology, in consultation with electric and natural gas service
30 providers, shall identify areas in the electric and natural gas
31 distribution system of the state that would benefit from the
32 development of distributed generation through hydrogen or fuel cell
33 technology as a reliability asset necessary for voltage control, grid
34 security, or system reliability, or for the provision of required
35 uninterruptible service at customer sites.

36 Sec. 4. Subsections (a) and (b) of section 32-235 of the 2006
37 supplement to the general statutes are repealed and the following is
38 substituted in lieu thereof (*Effective July 1, 2006*):

39 (a) For the purposes described in subsection (b) of this section, the
40 State Bond Commission shall have the power, from time to time to
41 authorize the issuance of bonds of the state in one or more series and
42 in principal amounts not exceeding in the aggregate five hundred
43 [five] twenty-five million three hundred thousand dollars, provided
44 five million dollars of said authorization shall be effective July 1, 2006.

45 (b) The proceeds of the sale of said bonds, to the extent of the
46 amount stated in subsection (a) of this section, shall be used by the
47 Department of Economic and Community Development for the
48 purposes of sections 32-220 to 32-234, inclusive, including economic
49 cluster-related programs and activities, and for the Connecticut job
50 training finance demonstration program pursuant to sections 32-23uu
51 and 32-23vv provided, (1) three million dollars shall be used by said

52 department solely for the purposes of section 32-23uu and not more
53 than five million two hundred fifty thousand dollars of the amount
54 stated in said subsection (a) may be used by said department for the
55 purposes of section 31-3u, (2) not less than one million dollars shall be
56 used for an educational technology grant to the deployment center
57 program and the nonprofit business consortium deployment center
58 approved pursuant to section 32-41l, (3) not less than two million
59 dollars shall be used by said department for the establishment of a
60 pilot program to make grants to businesses in designated areas of the
61 state for construction, renovation or improvement of small
62 manufacturing facilities provided such grants are matched by the
63 business, a municipality or another financing entity. The commissioner
64 shall designate areas of the state where manufacturing is a substantial
65 part of the local economy and shall make grants under such pilot
66 program which are likely to produce a significant economic
67 development benefit for the designated area, (4) five million dollars
68 may be used by said department for the manufacturing
69 competitiveness grants program, (5) one million dollars shall be used
70 by said department for the purpose of a grant to the Connecticut
71 Center for Advanced Technology, for the purposes of section 32-237,
72 [and] (6) ten million dollars shall be used by said department for the
73 purpose of grants to the United States Navy or eligible applicants for
74 projects related to the enhancement of infrastructure for long-term, on-
75 going naval operations at the United States Naval Submarine Base-
76 New London, located in Groton, which will increase the military value
77 of said base, and (7) twenty million dollars shall be used for grants to
78 the Connecticut Center for Advanced Technology, for the purposes of
79 development of the plan under section 1 of this act and projects
80 pursuant to the plan, as follows: Five million dollars for the fiscal year
81 ending June 30, 2007, and five million dollars in each fiscal year
82 thereafter until the fiscal year ending June 30, 2010.

83 Sec. 5. (NEW) (*Effective July 1, 2006*) (a) The Commissioner of Public
84 Works, in consultation with Connecticut Innovations, Incorporated,
85 and the Joint Committee on Legislative Management, shall establish a

86 demonstration program designed to encourage and install fuel cells in
87 state buildings and facilities and eligible nonprofit institutions, upon
88 request of such nonprofit institution. As used in this section "eligible
89 nonprofit institutions" means a nonprofit institution that (1) has a
90 national reputation, and (2) had expenditures for electricity of not less
91 than one million dollars in the most recent calendar year.

92 (b) On or before January 1, 2007, Connecticut Innovations,
93 Incorporated, in consultation with the Commissioner of Public Works,
94 shall prepare a plan for implementation of such program which shall
95 include, but not be limited to, (1) identification of state buildings and
96 facilities, which shall include the State Capitol Building and the
97 Legislative Office Building, and nonprofit institutions with facilities
98 suitable for fuel cells, (2) evaluation of potential energy efficiency and
99 reliability of fuel cells in such buildings and facilities, and (3)
100 assessment of potential energy and cost savings from installation of
101 fuel cells in such buildings and facilities.

102 Sec. 6. (NEW) (*Effective July 1, 2006*) The Commissioner of Public
103 Works, in consultation with Connecticut Innovations, Incorporated,
104 shall adopt regulations, in accordance with the provisions of chapter
105 54 of the general statutes, to implement the provisions of section 5 of
106 this act.

107 Sec. 7. (NEW) (*Effective July 1, 2006*) On or before July 1, 2008, and
108 annually thereafter, the Commissioner of Public Works shall submit a
109 report on the program established under section 5 of this act to the
110 joint standing committee of the General Assembly having cognizance
111 of matters relating to commerce in accordance with the provisions of
112 section 11-4a of the general statutes. Such report shall include, but not
113 be limited to, a cost benefit analysis of the application of fuel cell
114 technology in state buildings and facilities and nonprofit institutions,
115 and a detailed report on the status of the program. The report may
116 include recommendations for legislation.

117 Sec. 8. (*Effective July 1, 2006*) (a) For the purposes described in

118 subsection (b) of this section, the State Bond Commission shall have
119 the power, from time to time, to authorize the issuance of bonds of the
120 state in one or more series and in principal amounts not exceeding in
121 the aggregate twenty million dollars.

122 (b) The proceeds of the sale of said bonds, to the extent of the
123 amount stated in subsection (a) of this section, shall be used by
124 Connecticut Innovations, Incorporated, for the purpose of the fuel cell
125 demonstration program established pursuant to section 5 of this act,
126 including costs of preparation of the plan required under subsection
127 (a) of said section 5.

128 (c) All provisions of section 3-20 of the general statutes, or the
129 exercise of any right or power granted thereby, which are not
130 inconsistent with the provisions of this section are hereby adopted and
131 shall apply to all bonds authorized by the State Bond Commission
132 pursuant to this section, and temporary notes in anticipation of the
133 money to be derived from the sale of any such bonds so authorized
134 may be issued in accordance with said section 3-20 and from time to
135 time renewed. Such bonds shall mature at such time or times not
136 exceeding twenty years from their respective dates as may be provided
137 in or pursuant to the resolution or resolutions of the State Bond
138 Commission authorizing such bonds. None of said bonds shall be
139 authorized except upon a finding by the State Bond Commission that
140 there has been filed with it a request for such authorization which is
141 signed by or on behalf of the Secretary of the Office of Policy and
142 Management and states such terms and conditions as said commission,
143 in its discretion, may require. Said bonds issued pursuant to this
144 section shall be general obligations of the state and the full faith and
145 credit of the state of Connecticut are pledged for the payment of the
146 principal of and interest on said bonds as the same become due, and
147 accordingly and as part of the contract of the state with the holders of
148 said bonds, appropriation of all amounts necessary for punctual
149 payment of such principal and interest is hereby made, and the State
150 Treasurer shall pay such principal and interest as the same become
151 due.

152 Sec. 9. (*Effective July 1, 2006*) The sum of seven hundred fifty
 153 thousand dollars is appropriated to the Department of Economic and
 154 Community Development, from the General Fund, for the fiscal year
 155 ending June 30, 2007, for a grant to the Connecticut Center for
 156 Advanced Technology for the purposes of (1) development of the plan
 157 under section 1 of this act and programs pursuant to the plan, and (2)
 158 the administration of the Connecticut Hydrogen-Fuel Cell Coalition.

This act shall take effect as follows and shall amend the following sections:		
Section 1	<i>from passage</i>	New section
Sec. 2	<i>from passage</i>	New section
Sec. 3	<i>from passage</i>	New section
Sec. 4	<i>July 1, 2006</i>	32-235(a) and (b)
Sec. 5	<i>July 1, 2006</i>	New section
Sec. 6	<i>July 1, 2006</i>	New section
Sec. 7	<i>July 1, 2006</i>	New section
Sec. 8	<i>July 1, 2006</i>	New section
Sec. 9	<i>July 1, 2006</i>	New section

CE *Joint Favorable Subst.*

GAE *Joint Favorable*

ET *Joint Favorable*